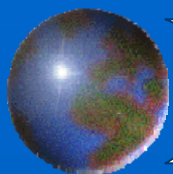


US EPA ARCHIVE DOCUMENT



GROUP ON
EARTH OBSERVATIONS

Capacity Building Committee (CBC) Activities

Carrie Stokes
CBC Member
USAID
August 2007

What is Capacity Building?

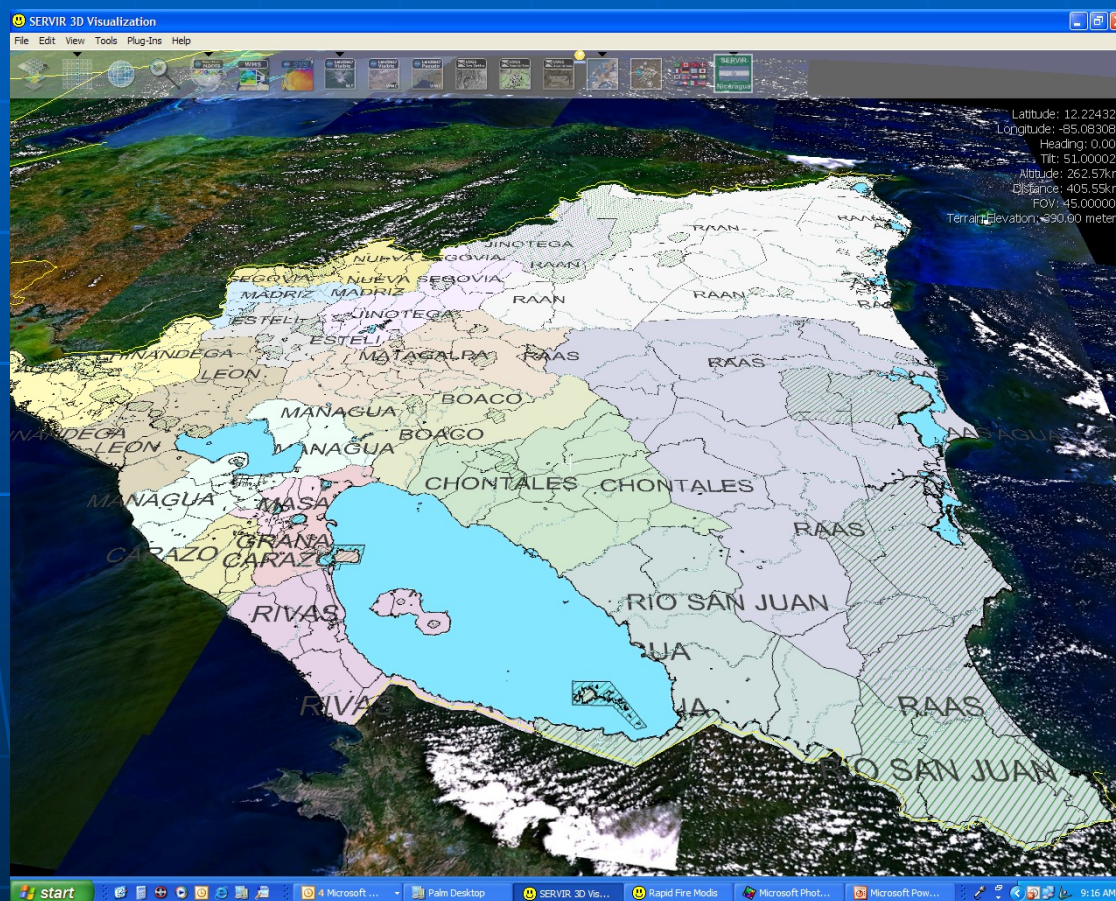
- **Human:** Education/training to increase awareness of, access, use, and development of EO data & products
- **Institutional:** Fostering an environment to enable use of EO to enhance decision-making
- **Infrastructure:** Promoting hardware, software, and other technology required to access, use and develop EO data & products for decision-making

GEO Capacity Building Strategy: Six Priority Actions

- **Promotion of GEO Web Portal**
- **Promotion of GEONETCast**
- **Promotion of EO capacity building networks**
- **Promotion of development & use of open-source software**
- **Promotion of national & regional capacity**
- **Engaging donors in capacity building priorities**

Capacity Building in Central America with SERVIR: a data portal, online mapping, and 3-D earth visualization tool

- NASA and COTS
 - World Wind
 - Google Earth
- Users
 - Decision Makers
 - Media
 - Educators
 - Students
 - Private Industry



SERVIR: Earth Observation Tools & Geospatial Information for Decision Support

<http://www.servir.net>

SERVIR - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Reload Home Search Favorites RSS Print Mail W Word Excel Links

Address <http://servir.nsstc.nasa.gov/> Go

SERVIR

The Mesoamerican Regional Visualization and Monitoring System

WED, AUG. 1, 2007

• Español
• English

SERVIR Data | Online Maps | GEOSS Decision Support | 3-D Visualizations

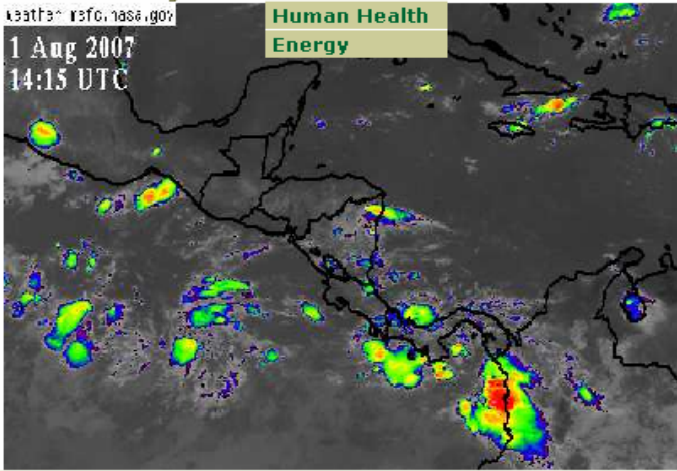
Home
User's Manual
Downloads
In the News
About SERVIR
Gallery
Directory
Partners
Library
Contact Us

Your "One Stop Shop" for Decision Support, and Information

Mesoamerica Today, August 1, 2007

Go to SERVIR Realtime Images
View GOES Images of A Specific Location
Make Your Own GOES Animation
Latest GOES image
weather.nasaf.nasa.gov

1 Aug 2007
14:15 UTC




Disasters
Ecology
Weather
Climate
Biodiversity
Water
Agriculture
Human Health
Energy


Dynamics
GEOSS Decision Support

SERVIR Movies
Click images to view movies

First 21 Named Storms of 2005 Atlantic Hurricane Season



A Vision of the Future (18.2 MB)

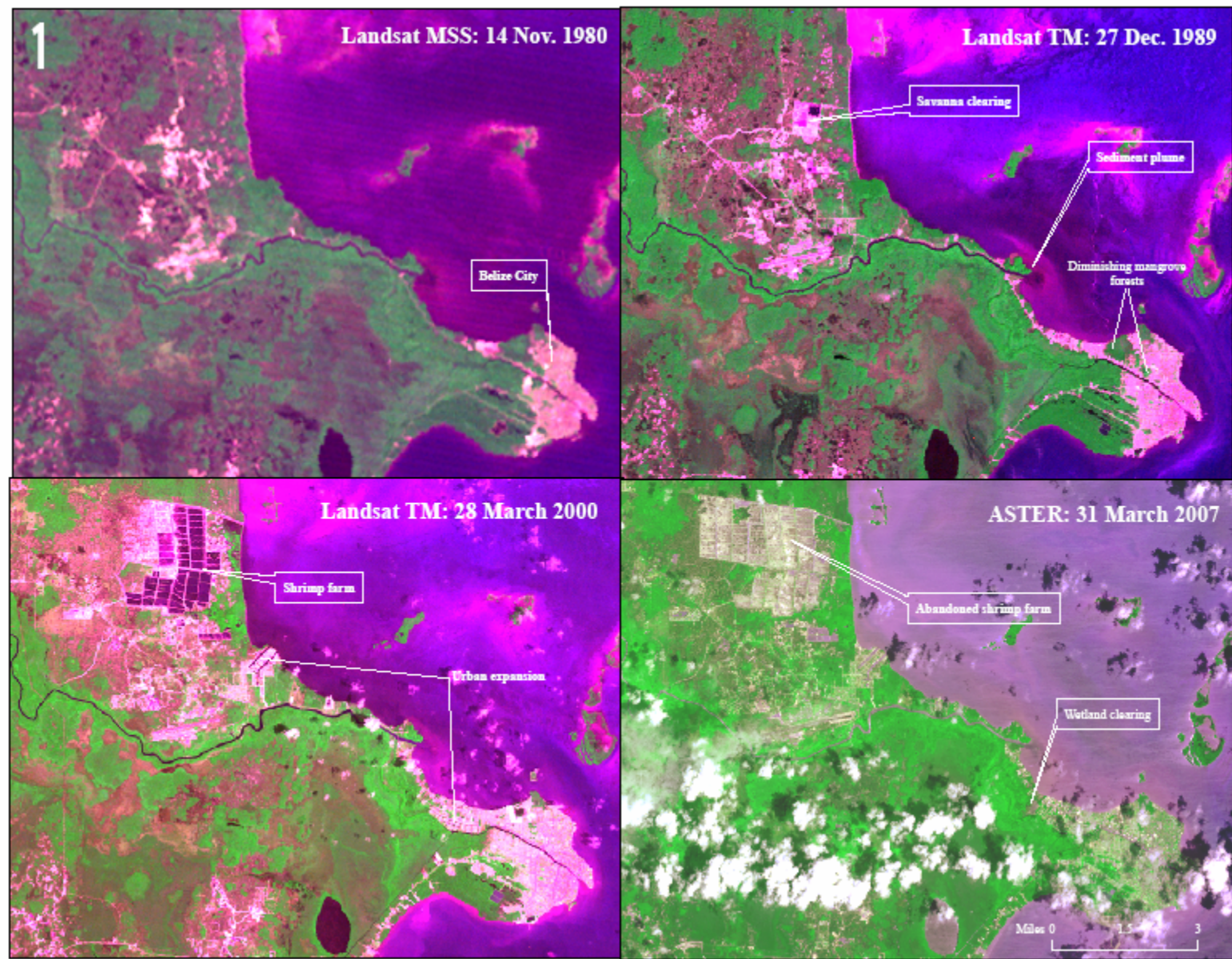


Video Tierra ceniza... o bosques saludables

http://servir.nsstc.nasa.gov/geoss_decision_support.html

Start | C:\Documents and ... | Microsoft PowerPoi... | SERVIR - Microsoft ... | 1:09 PM

Land Cover Change: Belize




SERVIR : Fire Alerts in Central America

ALERTA DE INCENDIOS EN MESOAMÉRICA

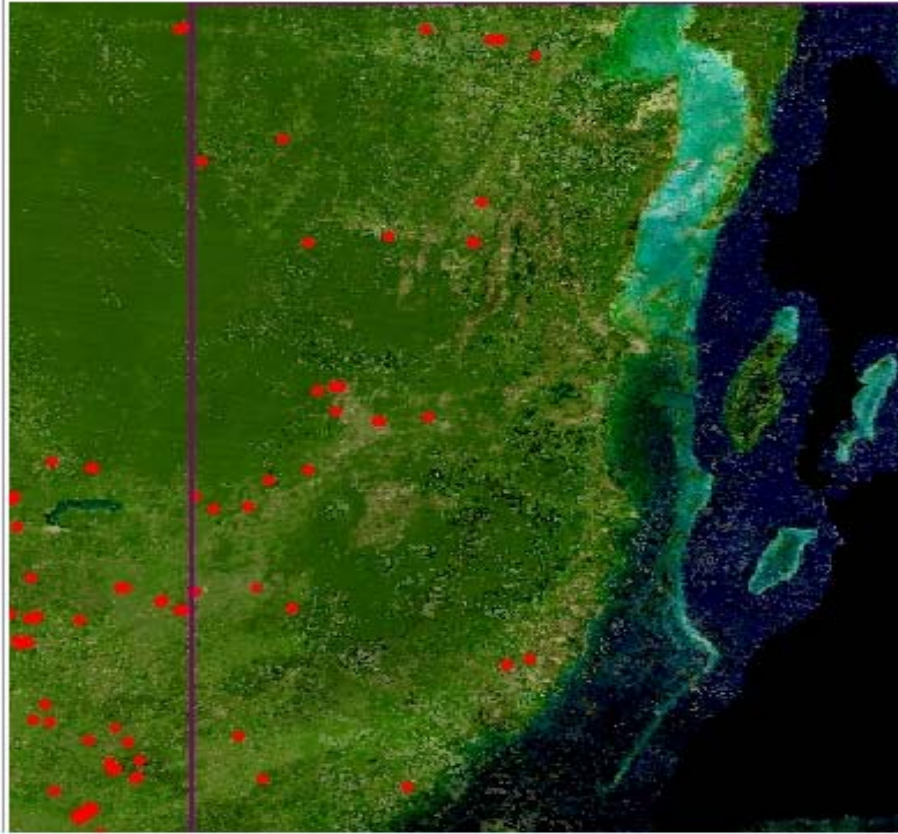
SERVIR

Sistema de Monitoreo y Visualización para Mesoamérica



SERVIR WEB FIRE MAPPER

Correo Electrónico generado 4/23/2006 1:23:41 AM



18.425	-88.502	317.6	1.3	1.8	2006-04-22	1935	A	0
--------	---------	-------	-----	-----	------------	------	---	---

El número de incendios activos detectados/procesados en su área de interés es: 34

Región de Interés:

BT= Temperatura de brillo(Kelvin)
Date= Fecha de adquisición de MODIS
Sat= Satélite(A=Aqua and T=Terra)
Conf= Confianza
Scan= Recorrido
Track= Pista





Para ver información de incendios activos con otras coberturas SIG o para consultar la base de datos completa visite [Central-America- Web Fire Mapper](#)

Para mayor información vaya a [preguntas frecuentes](#) o [Contáctenos](#)

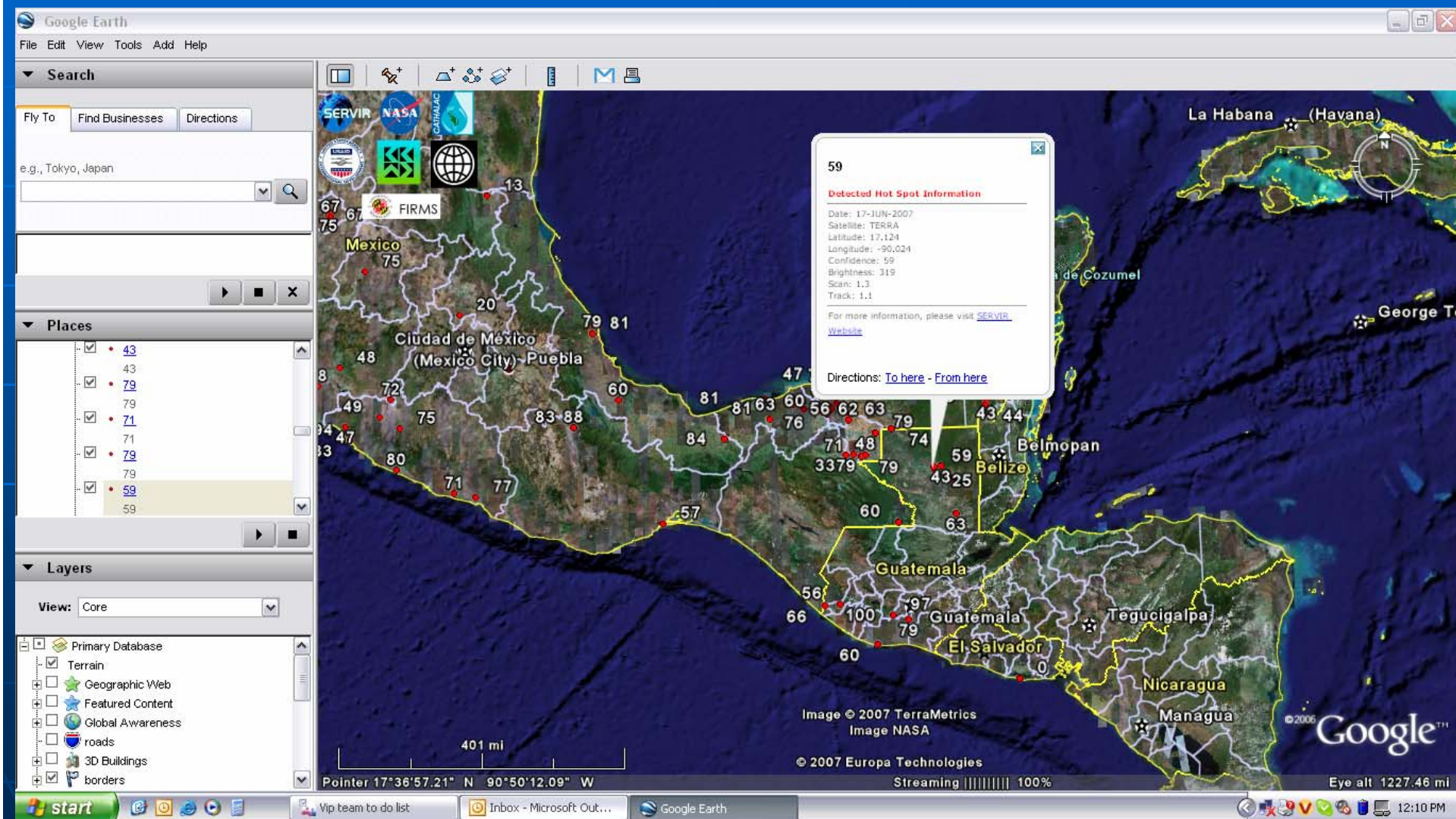
Por favor tenga presente que las nubes pueden afectar la detección de incendios activos. Para poder consultar incendios activos en otras regiones vaya a [Web Fire Mapper](#)

Por favor tenga en cuenta que el archivo jgw adjunto es un documento de World que contiene información de georeferenciación para la imagen jpeg. Para ver la imagen jpeg en un SIG local, grabe el archivo jgw y jpeg con el mismo nombre (e.g.,AlertaIncendio.jpg y AlertaIncendio.jgw) a un folder común.

Descargo: Conservación Internacional (CI) y la Universidad de Maryland (UMD) no garantizan que los datos, la base de datos o cualquier información generada usando estos datos o la base de datos estén exentos de error. Los datos se suministran 'como están' y ni CI ni UMD hacen declaraciones que expresen o impliquen garantías de ninguna clase, incluyendo aunque no se limita a cualquier garantía implicada en la comerciabilidad o aptitud de los datos para un propósito particular. La institución receptora consiente en no proporcionar ningún tipo de garantía referente a los datos o a bases de datos a terceros en nombre de CI o UMD.

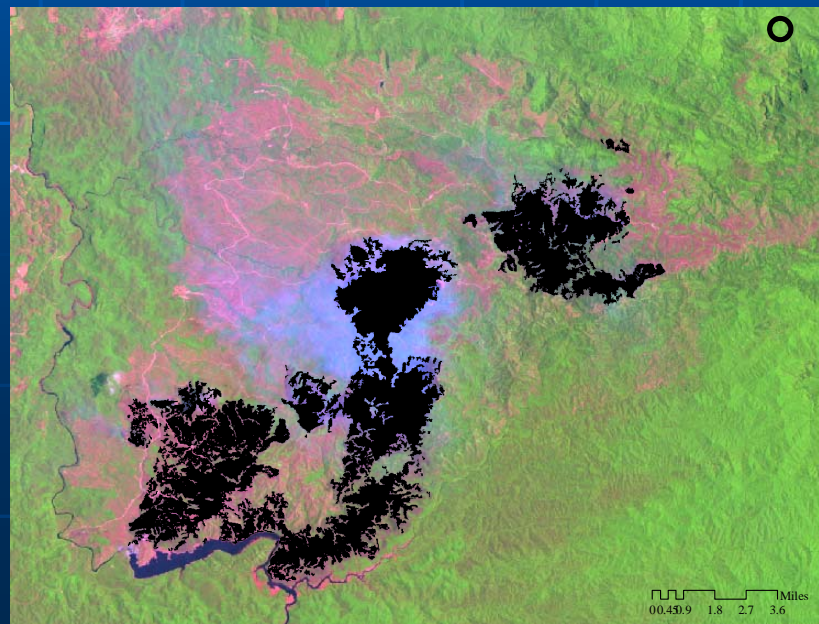
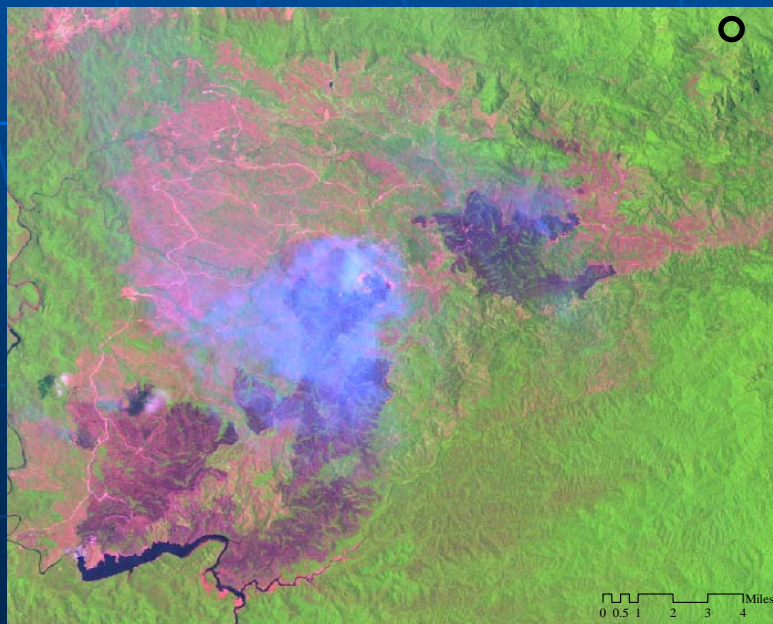
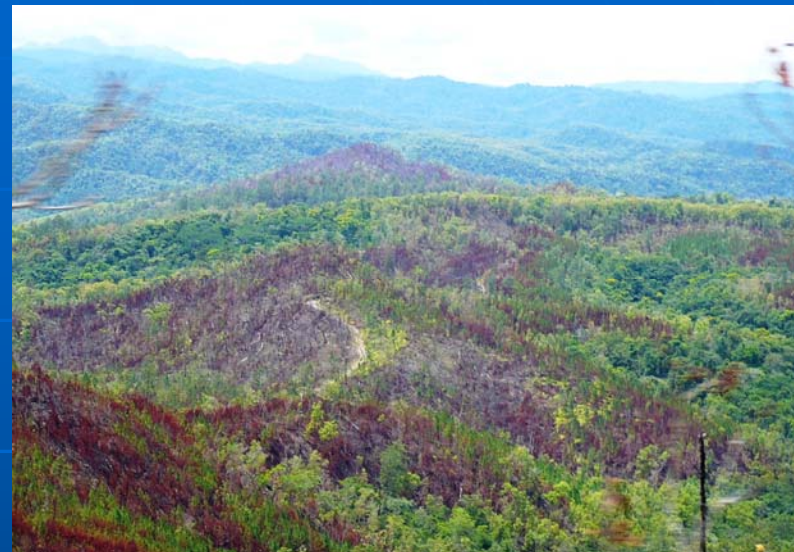

Fires (continued)



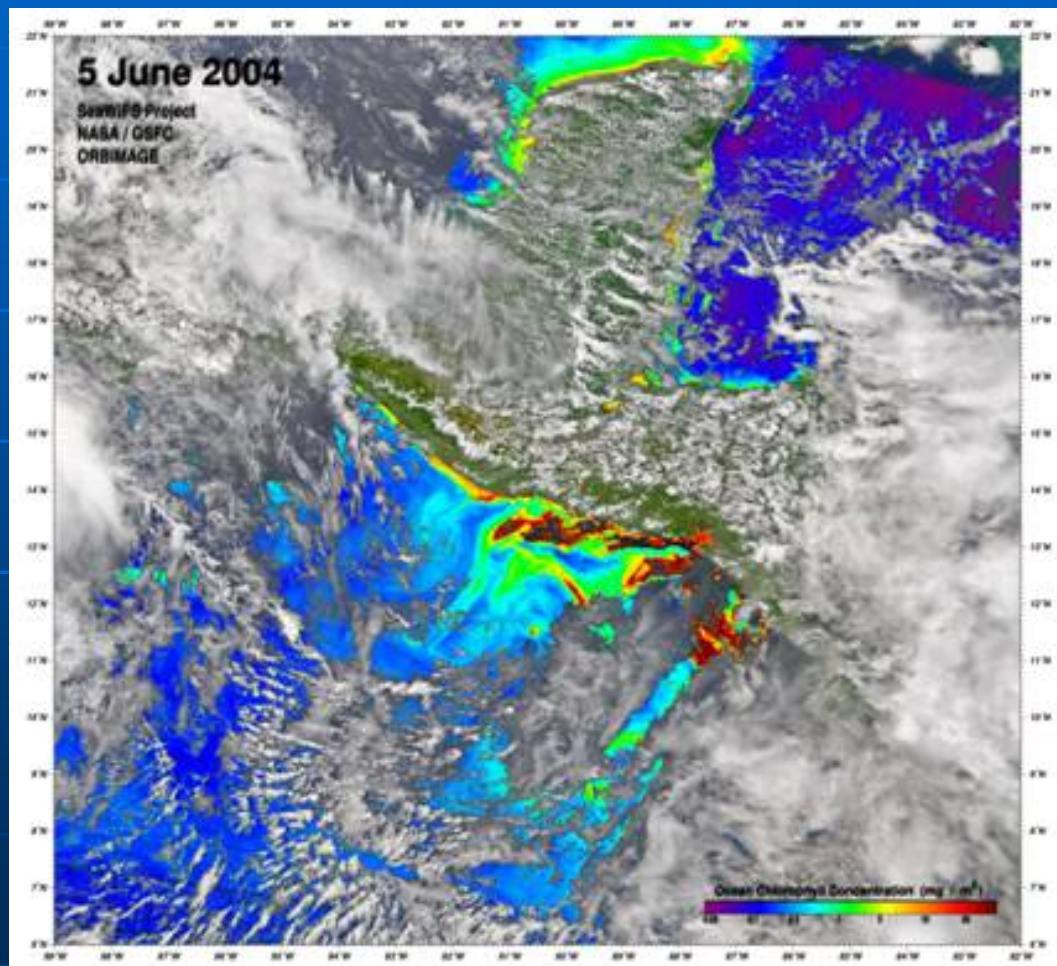
Burn Analysis: Belize

2007 Fires in Mountain Pine Ridge Forest Reserve

- Fires raging from April 28-May 25
- ~33,000 acres burned
- Decision support to Belize Forest Department, making use of ASTER, Landsat 7 and MODIS data

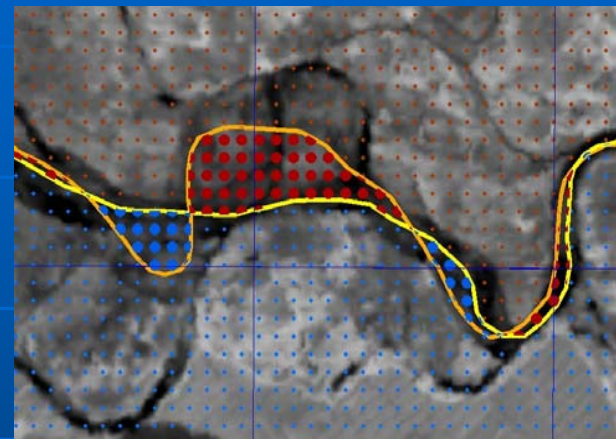
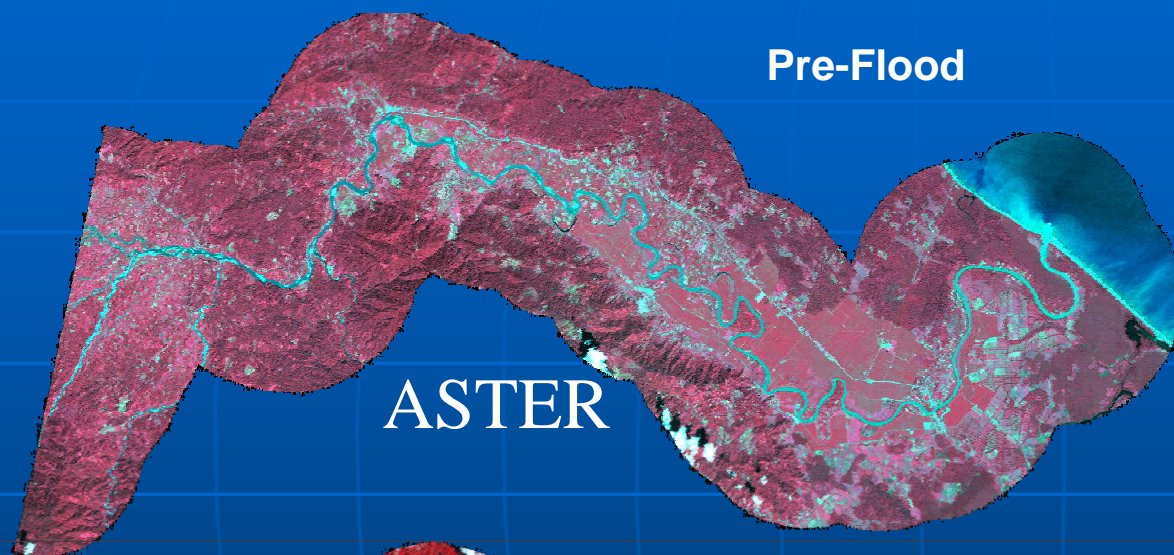


Harmful Algal Blooms: Central America

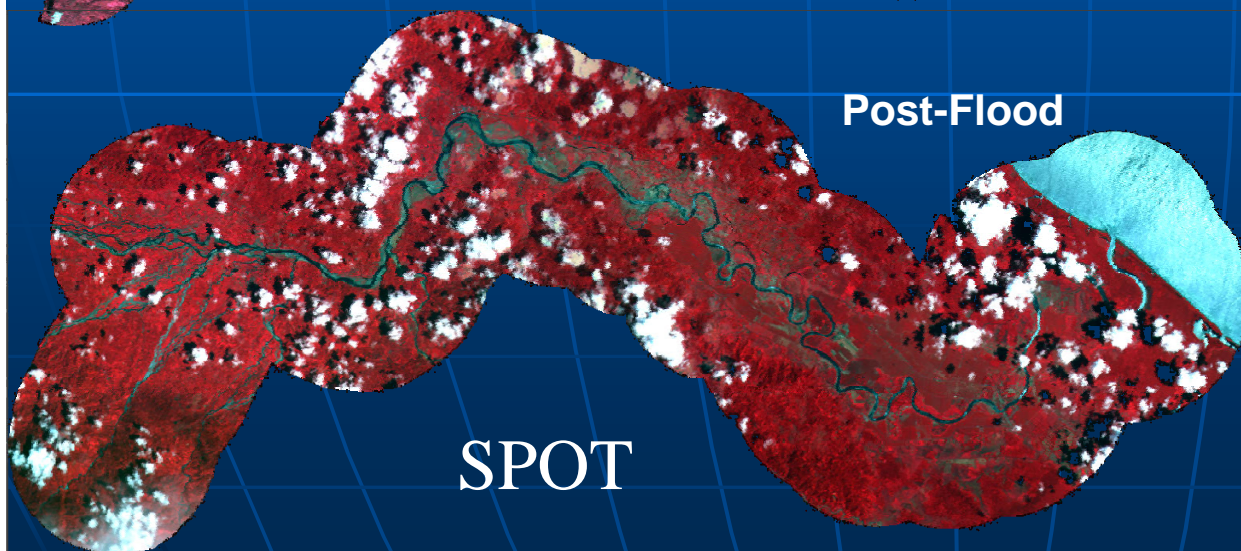


Change Detection of International Boundaries: Panama & Costa Rica

Pre-Flood



Post-Flood

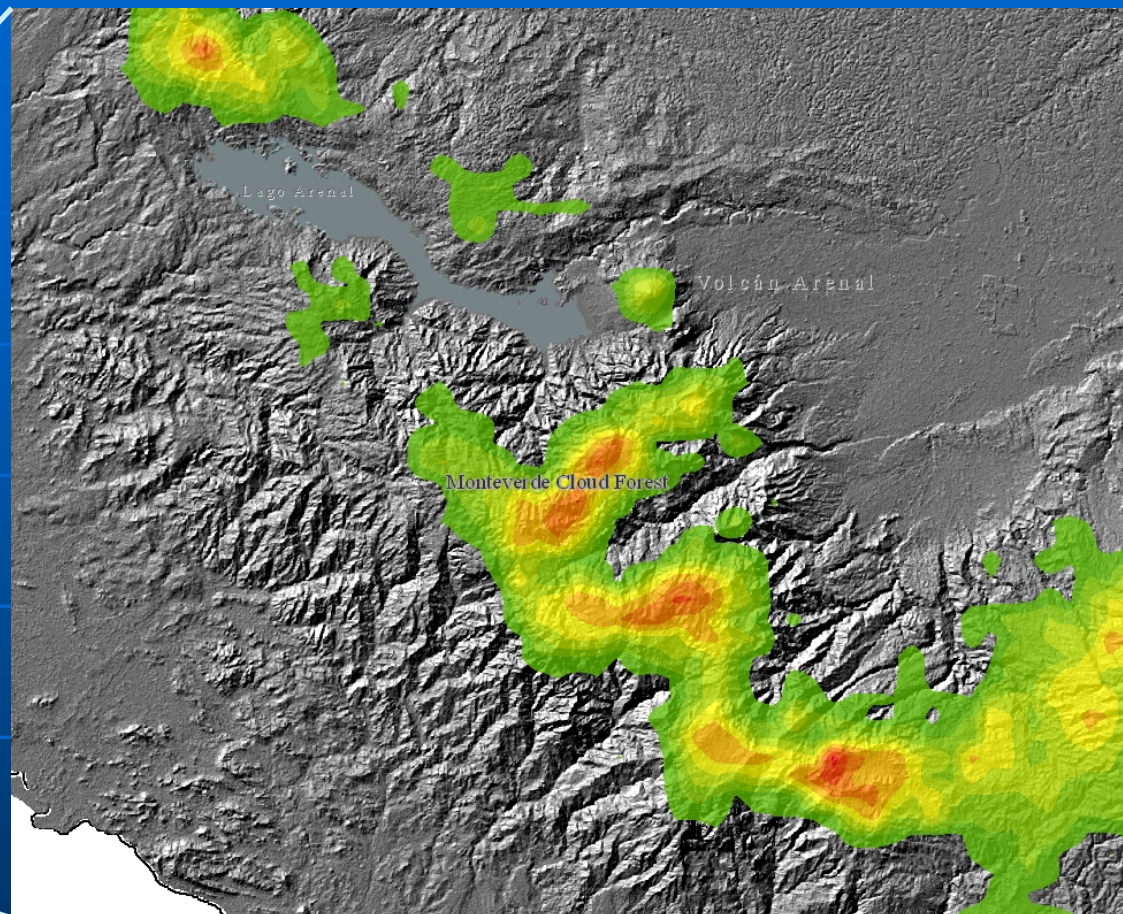
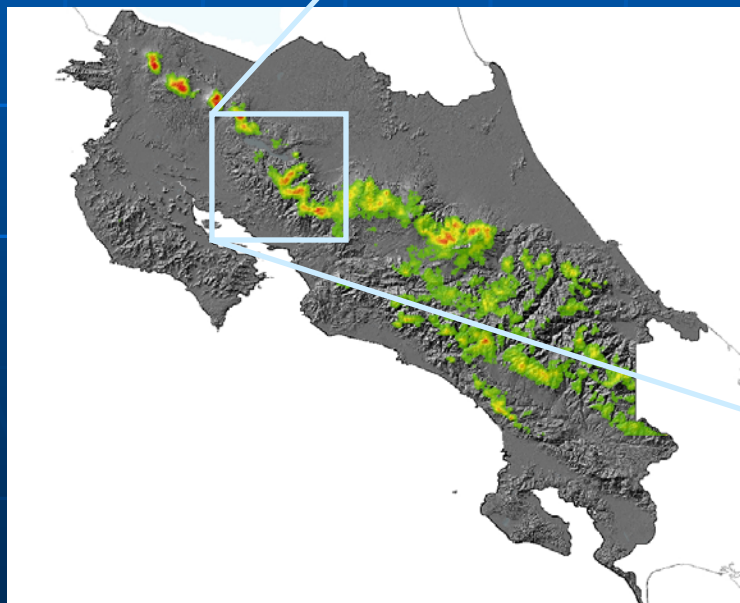


**Red - Panamanian Land
Now on Costa Rican Side
of the Channel**
**Blue - Costa Rican Land
Now on Panamanian Side
of the Channel**

Cloud Forest Mapping: Costa Rica

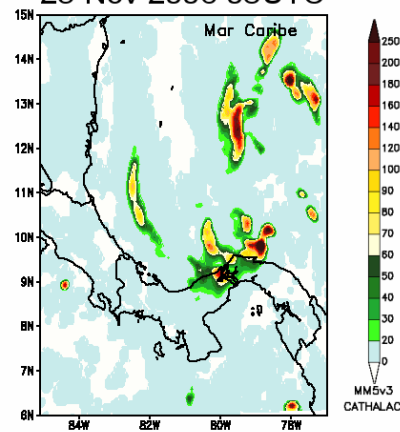
Cloud Base Heights/MODIS

- Cloud effective droplet radii
- Cloud top temperature
- Cloud optical thickness
- Cloud mask

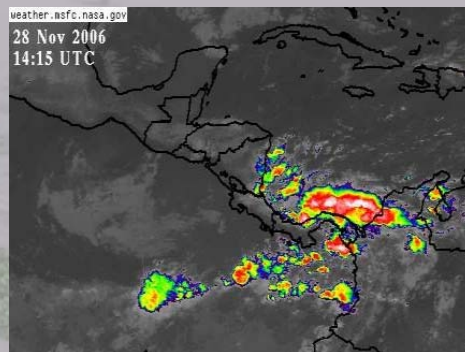


SERVIR Response to Flooding in Panama, November 2006

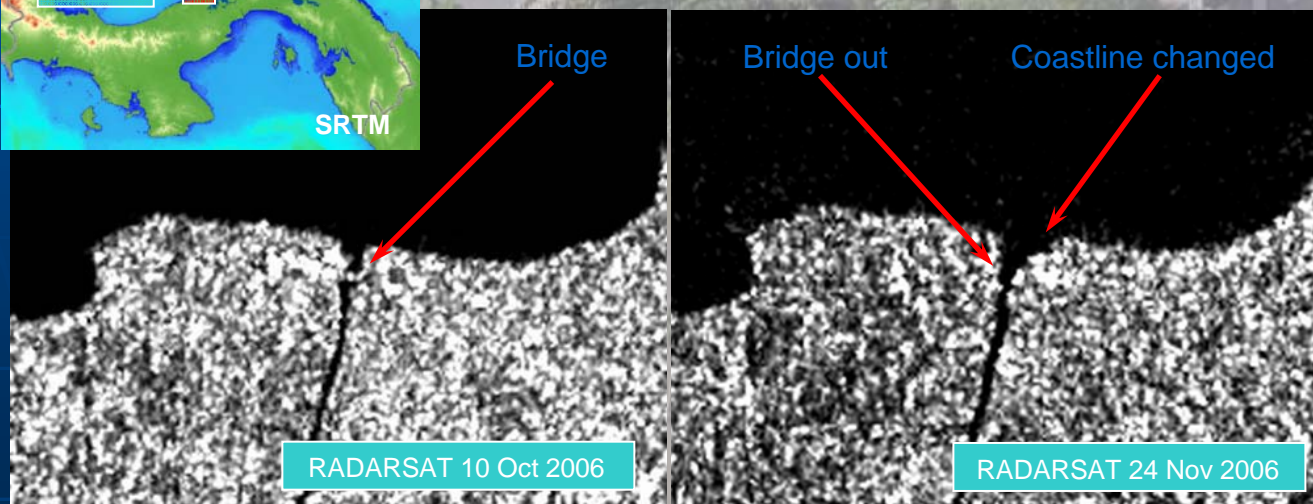
3-hour Peak Rainfall
23 Nov 2006 08UTC



weather.nasfc.nasa.gov
28 Nov 2006
14:15 UTC



Met products such as MM5 (left), WRF, and SPoRT model outputs, along with GOES imagery (above), provide a continuous support mechanism for decision makers.

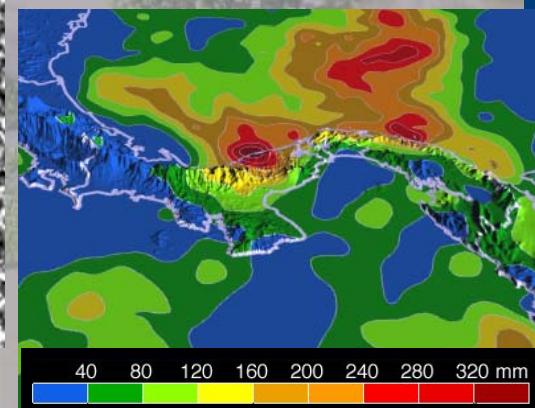


Change detection analysis (above) based on RADARSAT data near Rio Indio, Panama. These images help the Panamanian disaster response agency to focus their efforts in the areas of the flood's greatest impact.

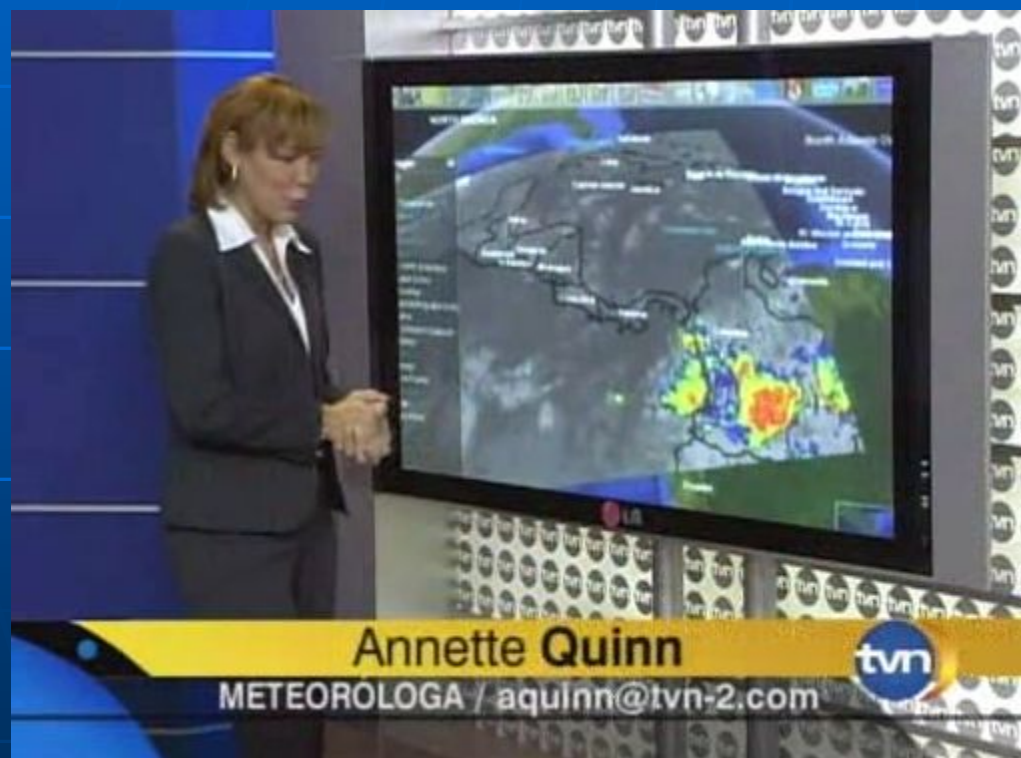


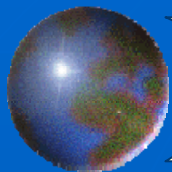
Panamanian President Martin Torrijos (left) consults with meteorologist Annette Quinn and Director of CATHALAC Emilio Sempres at the SERVIR facility in the City of Knowledge, Panama.

TRMM data (below) are used to show total rainfall accumulation over the period November 20-28, 2006.



SERVIR Product Dissemination: Daily Weather Forecasts in Panama





SERVIR Expansion Based on Regional Requests:

- Caribbean
- South America
- Eastern Africa